Claims:

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- 1. An apparatus for aspirating, irrigating and/or cleansing wounds, characterised in that it comprises
- a) a fluid flow path, comprising
- i) a conformable wound dressing, having
 a backing layer which is capable of forming a relatively fluid-tight
 seal or closure over a wound and
 at least one inlet pipe for connection to a fluid supply tube, which
 passes through and/or under the wound-facing face, and
 and at least one outlet pipe for connection to a fluid offtake tube,
 which passes through and/or under the wound-facing face,
 the point at which the or each inlet pipe and the or each outlet pipe
 passes through and/or under the wound-facing face forming a
 relatively fluid-tight seal or closure over the wound,
 at least one inlet pipe being connected to a fluid recirculation tube,
 and at least one outlet pipe being connected to a fluid offtake tube:
 and
 - ii) a means for fluid cleansing having at least one inlet port connected to a fluid offtake tube and at least one outlet port connected to a fluid recirculation tube;
 - a fluid reservoir connected by a second fluid supply tube to an integer of the flow path (optionally or as necessary via means for flow switching between supply and recirculation);
 - a device for moving fluid through the wound dressing and means for fluid cleansing, and optionally or as necessary the fluid supply tube;
 and
 - d) optionally means for bleeding the flowpath, such that fluid may be supplied to fill the flowpath from the fluid reservoir via the fluid supply tube (optionally or as necessary via the means for flow switching) and recirculated by the device through the flow path.
- An apparatus according to claim 1, characterised in that it comprises a
 means for fluid cleansing that is a single-phase system, in which the
 circulating fluid from the wound passes through the means for fluid
 cleansing and materials deleterious to wound healing are removed,

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without the circulating fluid coming into direct or indirect contact with another fluid in the means for fluid cleansing.

3. An apparatus according to claim 1, characterised in that it comprises a means for fluid cleansing that is a two-phase system, in which the circulating fluid from the wound passes through the means for fluid cleansing and materials deleterious to wound healing are removed, by the circulating fluid coming into direct or indirect contact with another fluid in the means for fluid cleansing.

An apparatus according to claim 3, characterised in that in the means for fluid cleansing, the circulating fluid from the wound and the other fluid in the means for fluid cleansing are separated by an integer which is

selectively permeable to materials deleterious to wound healing.

- An apparatus according to claim 3, characterised in that in the means for fluid cleansing, the circulating fluid from the wound and the other fluid in the means for fluid cleansing are separated by an integer which is not selectively permeable to materials deleterious to wound healing, and the other fluid comprises and/or is in contact with a material that removes materials deleterious to wound healing.
 - 6. An apparatus according to claim 3, characterised in that the material that removes materials deleterious to wound healing is an antagonist, a binders and/or degrader, a chelator and/or ion exchanger for such deleterious materials, or an anti-oxidant.
 - 7. An apparatus according to claim 3, characterised in that the material that removes materials deleterious to wound healing is
- 4-(2-aminoethyl)-benzene sulphonyl fluoride (AEBSF, PefaBloc), $N\alpha$ -p-30 (TLCK), ε-aminocaproyl-ptosyl-L-lysine chloromethyl ketone inhibitor; matrix protease chlorobenzylamide; а cysteine а metalloprotease inhibitor; a carboxyl (acid) protease inhibitors; anti-inflammatory peptidomimetics;
- 35 3-hydroxytyramine (dopamine), ascorbic acid (vitamin C), vitamin E; glutathione;

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desferrioxamine (DFO) and/or 3-hydroxytyramine (dopamine),

- 8. An apparatus according to claim 1, characterised in that the materials deleterious to wound healing are oxidants; proteases; endotoxins; autoinducer signalling molecules; inhibitors of angiogenesis; proinflammatory cytokines; and inflammatories.
- 9. A conformable wound dressing for use in an apparatus according to claim 1, characterised in that it comprises a backing layer with a wound-facing face which is capable of forming a relatively fluid-tight seal or closure over a wound and has at least one inlet pipe for connection to a fluid supply tube, which passes through and/or under the wound-facing face, and at least one outlet pipe for connection to a fluid offtake tube, which passes through and/or under the wound-facing face, the point at which the or each inlet pipe and the or each outlet pipe passes through and/or under the wound-facing face forming a relatively fluid-tight seal or closure over the wound.
- 20 10. A method of treating wounds to promote wound healing using the apparatus for aspirating, irrigating and/or cleansing wounds according to claim 1.